

Mining Census Data to Explore Poverty in Your Community

To join the audio portion, please dial:



Passcode: 4636601#

This session will begin shortly.

Conference Number: 888-455-7576









Welcome

to

Mining Census Data to Explore Poverty in Your Community





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Today's Team...



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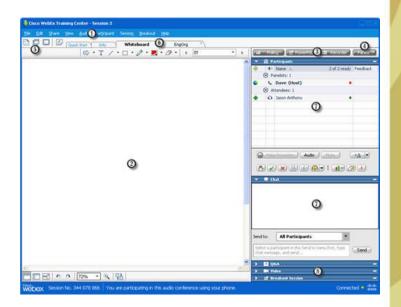


Robyn
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Project Specialist
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Tips for Participating

- Submit questions to the presenter at any time using the Q & A feature.
- Share tips, resources, and ideas with other attendees using the Chat feature.
- The phone line will be open later in the presentation for Questions and Answers.



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Invest in Your Professional Development



Kim Judy Training Specialist, AmeriCorps VISTA

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Today's Agenda

- Introduction: How The Census Bureau Measures Poverty
- Overview: 2010 Census and American Community Survey
- Data: A Focus On Poverty
- Demonstrations and Exercises
- Your Turn!—Building Your Community Profile
- Evaluations

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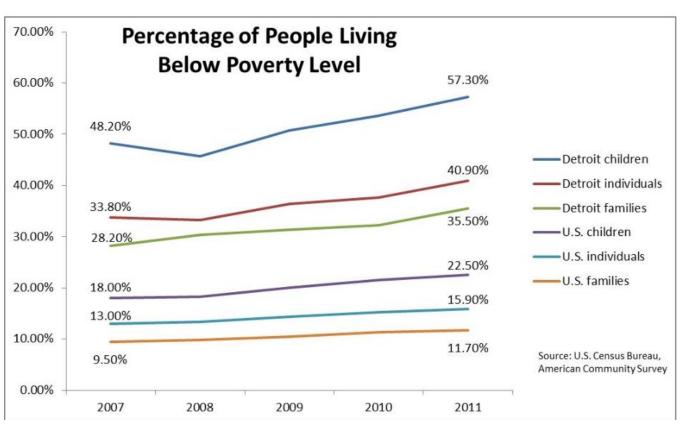
U.S. Census Bureau

Mission Statement

The Census Bureau serves as the leading source of quality data about the nation's people and economy. We honor privacy, protect confidentiality, share our expertise globally, and conduct our work openly. We are guided on this mission by our strong and capable workforce, our readiness to innovate, and our abiding commitment to our customers.

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How The CENSUS BUREAU Measures Poverty



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Poverty Thresholds

Poverty Thresholds for 2012 by Size of Family and Number of Related Children Under 18 Years

	Related children under 18 years								
Size of family unit	None One		Two	Three	Four	Five	Six	Seven	Eight or more
One person (unrelated individual)									
Under 65 years	11,945								
65 years and over	11,011								
Two people									
Householder under 65 years	15,374	15,825							
Householder 65 years and over	13,878	15,765							
Three people	17,959	18,480	18,498		7				
Four people	23,681	24,069	23,283	23,364					
Five people	28,558	28,974	28,087	27,400	26,981				
Six people	32,847	32,978	32,298	31,647	30,678	30,104			
Seven people	37,795	38,031	37,217	36,651	35,594	34,362	33,009		
Eight people	42,271	42,644	41,876	41,204	40,249	39,038	37,777	37,457	
Nine people or more	50,849	51,095	50,416	49,845	48,908	47,620	46,454	46,165	44,38

Source: U.S. Census Bureau.

Source: http://www.census.gov/hhes/www/poverty/data/threshold/

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Overview of Census 2010 and the American Community Survey



An American Community

The U.S. Census Bureau's American Community Survey (ACS) is a vital source of information that helps communities, businesses and state and local governments invest, provide services and plan for the future. With statistics on age, income level, education, occupation and veterans status, the ACS enables decision-makers to appropriately fund school-lunch programs, place new hospitals, build new businesses and take other actions that lead to healthy towns and cities.









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2010 Census

Basic demographic and housing characteristics only:

- Population
- Age
- Race [White, Black, Asian (disaggregated)]
- Hispanic or Latino Origin (disaggregated)
- Households and Families
- Housing Occupancy (occupied or vacant)
- Housing Tenure (owned or rented)

No long form, no detailed characteristics, no SF3 data

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2010 Census Data Products

- Data Profiles (DP)
- Quick Tables (QT)
- Geographic Comparison Tables (eg: GCT PL1)
- Detailed Tables (H)
- Mapping Functionality

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American Community Survey (ACS)

- Nationwide survey that collects essentially the same information on people and housing that was collected on the long-form questionnaire used in Census 2000.
- Continuous survey. Each month a sample of housing unit addresses receive a questionnaire.
- About three and a half million addresses are surveyed each year
- In operation since 2005
- Provides detailed population and housing characteristics every year.

69 questions.

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Demographic Characteristics (ACS)

- Sex
- Age
- Race [White, Black, Asian (disaggregated)]
- Hispanic/Latino origin (disaggregated)



Photo: U.S. Census Bureau

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Social Characteristics (ACS)

- Education
- Marital Status
- Fertility
- Grandparent Caregivers
- Veterans
- Disability Status
- Place of Birth
- Citizenship
- Year of Entry
- Language Spoken at Home
- Ancestry/Tribal Affiliation



Photo: U.S. Census Bureau

Ancestry Examples—German, Brazilian, Ethiopian, Iranians, Sub-Saharan Africans, etc.

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Economic Characteristics (ACS)

- Income
- Benefits
- Poverty Status
- Employment Status
- Occupation
- Industry
- Commuting to Work
- Place of Work

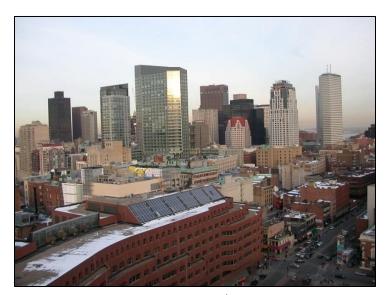


Photo: U.S. Census Bureau

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Housing Characteristics (ACS)

- Tenure
- Occupancy & Structure
- Housing Value
- Taxes & Insurance
- Utilities
- Mortgage/Monthly Rent



Photos: U.S. Census Bureau

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American Community Survey (ACS) Estimates

Data Product	Population Size	Data released in:							
	of Area	2006	2007	2008	2009	2010	2011	2012	2013
1-Year Estimates for Data Collected in:	65,000+	2005	2006	2007	2008	2009	2010	2011	2012
3-Year Estimates for Data Collected in:	20,000+			2005-2007	2006-2008	2007-2009	2008-2010	2009-2011	2010-2012
5-Year Estimates for Data Collected in:	All Areas*					2005-2009	2006-2010	2007-2011	2008-2012
* Five-year estimates will be available for areas as small as census tracts and block groups.									

Source: US Census Bureau

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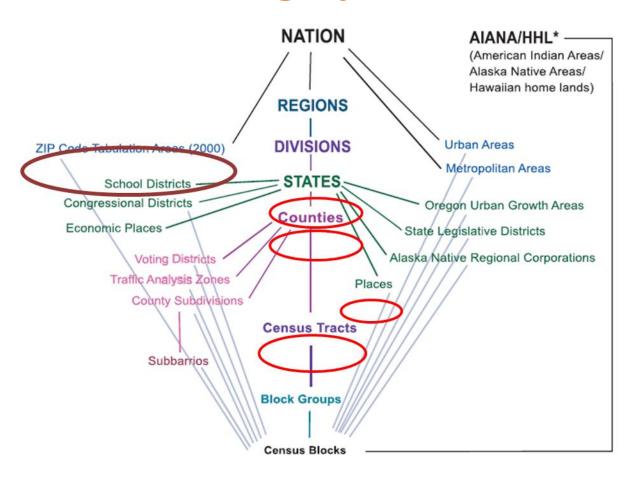
^{*} Five-year estimates will be available for areas as small as census tracts and block groups.

ACS Data Product Types

- Data Profiles
- DP02—Select Social Characteristics
- DP03—Select Economic Characteristics
- DP04—Select Housing Characteristics
- DP05—Demographic Characteristics
- Subject Tables—Cross-Tabulations of Topics (S)
- Select Population Profiles (S)
- Narrative Profiles—try if you're new to data! (NP)
- Detailed Tables-Multiple traits cross-tabulations (B)
- Geographic Comparison Tables—Across locations (GCT)
- Comparison Profiles—Across time 1-year ACS only (CP)

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Geographies



census.gov/geo/www/geodiagram.html

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Margins of Error: What I Need to Know

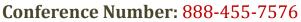




"I'm going to need a Margin of Error or I can't publish your prediction of six more weeks of winter."









Margin of Error-Definition

Margin of Error (MOE)

- A margin of error is the difference between an estimate and its upper or lower confidence bounds. Confidence bounds can be created by adding the margin of error to the estimate (for an **upper bound**) and subtracting the margin of error from the estimate (for a **lower bound**).
- All published margins of error for the American Community Survey are based on a 90 percent confidence level.

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Margin of Error- Where is it?

- Data from the American Community Survey Contain MOEs
- Some Data Tables Will Publish Them
- Add and Subtract the Margin of Error from your Estimate to get the MOE range.
- When You Are Comparing Two or More Communities, Computing MOEs Will Help You Determine the Accuracy of a Comparison

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Margin of Error-Where To Find It

050031	SEX BY AGE BY NATIVITY AND CITIZENSHIP STATUS (HISPANIC OR LATINO) Universe: People who are Hispanic or Latino 2007-2011 American Community Survey 5-Year Estimates	
Table View	◀ BACK TO A	OVANCED:
Actions: Mo	odify Table Bookmark Print Download Create a Map	
	View Geography Notes	View T
	an Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population minates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for s	

	Census Tract 31, District of	Columbia, District of Columbia	Census Tract 7038, Montgomery County, Maryland			
	Estimate	Margin of Error	Estimate	Margin of Error		
Total:	1,039	+/-294	m\$41	+/-346		
Male:	527	+/-178	23	+/-195		
Under 18 years:	90	+/-51	84	+/-53		
Native	90	-	704	4/57		
Foreign born	0	+/-95	0	+/-95		
Naturalized U.S. citizen	0	*/-95	0	+/-95		
Not a U.S. citizen	0	+7-95	0	-		
18 years and over	429	+/-171	339	+/-203		
Native	74	+/-88	24	+/-25		
Foreign born:	355	+/-158	315	+/-200		
Naturalized U.S. citizen	99	+/-41	49	+/-37		
Not a U.S. citizen	256	+/-157	266	+/-171		
Female:	512	*/-160	418	+/-178		
Under 18 years:	184	+/-84	164	+/-97		
Native	136	+/-64	136	+/-75		

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Margin of Error in Action:

Foreign Born Hispanic Males, Age 18 and Older

Washington DC: 355

(Census Tract 31)

Margin of error: ±158

MOE Range: 197 – 513

Wheaton, MD: 315

(Census Tract 7038)

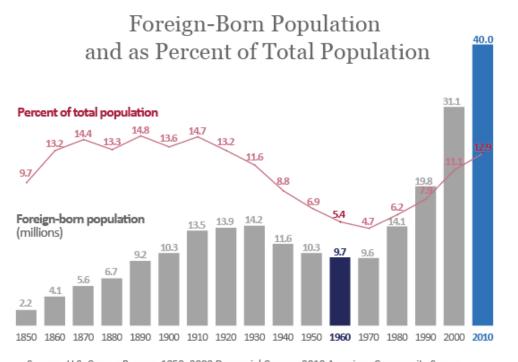
Margin of error: ±200

MOE Range: 115 – 515



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Community Data: Poverty Snapshot



Source: U.S. Census Bureau, 1850–2000 Decennial Census; 2010 American Community Survey.

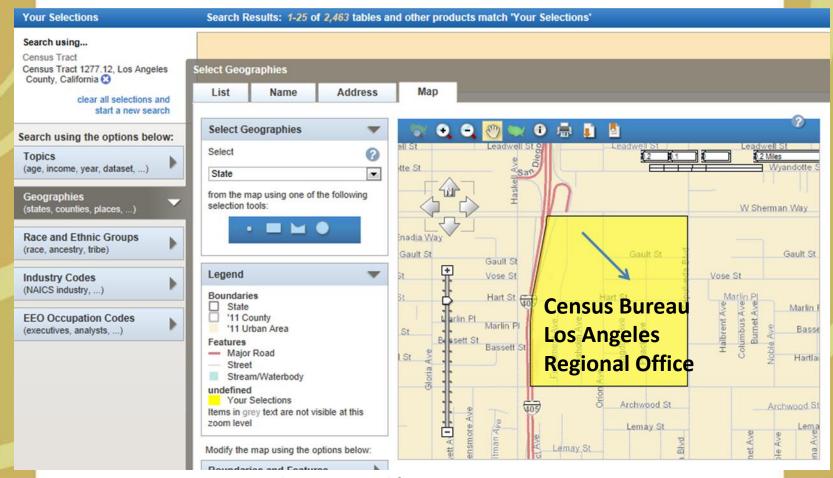
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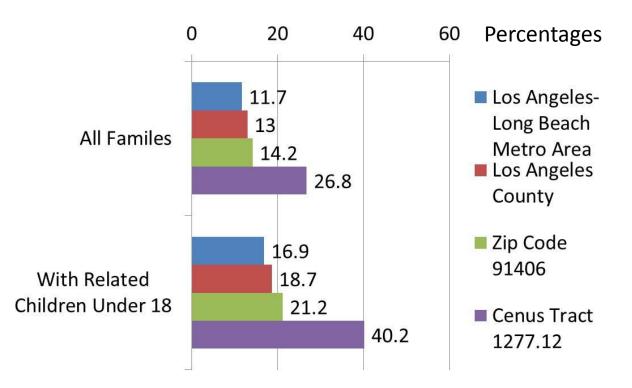
Neighborhood Level Data



Census Tract 1277.12, Los Angeles County, California

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Poverty Across Related Local Geographies



Source: 2007-2011 American Community Survey 5-Year Estimates

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Data Access Tools: American Fact Finder







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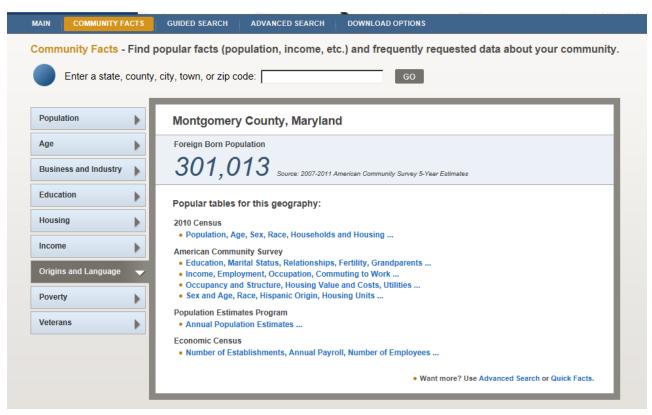


American FactFinder— Community Facts



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American FactFinder— Community Facts



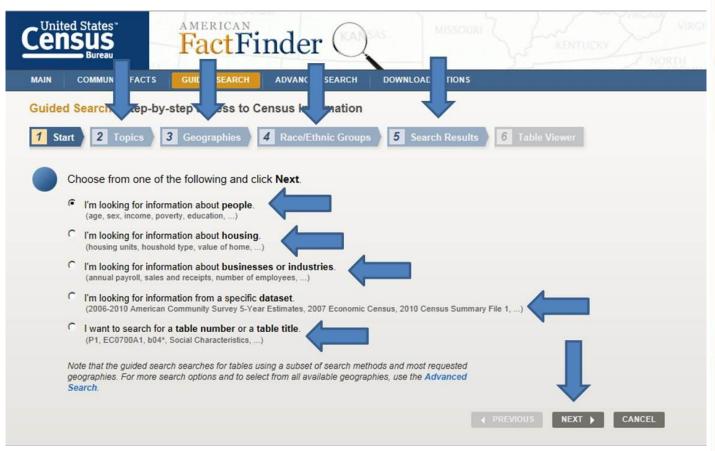
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American FactFinder— Guided Search



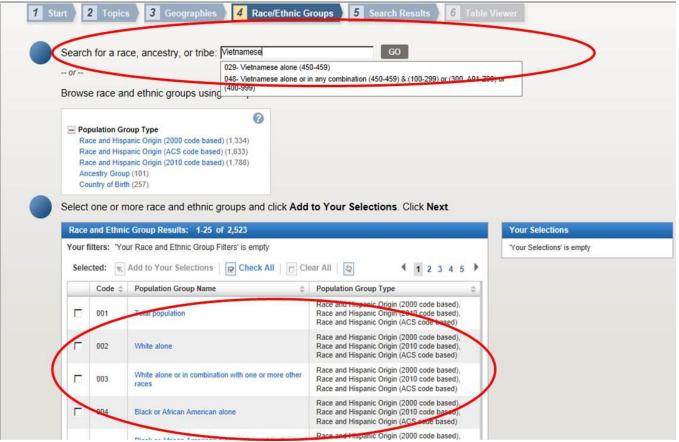
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Guided Search



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Guided Search (cont'd)



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American FactFinder— Advanced Search



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Advanced Search



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Demo #1: Poverty as Time Series

Let's take a look at poverty rates in Alameda County, CA. Let's focus on **All Families**. We can explore how poverty rates on the table change according to family composition.

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Your Turn! Exercise #1: Poverty Rates in Your Service County

Compare Poverty Levels **All Families** in a primary county you will serve.

- 1. Which estimates will be available for you to use?
- 2. What are the differences between Poverty Rates for "All People" and "All Families"? How about for "Female Householder with Related Children Under 18"?
- 3. Use the Advanced Search *Topics Overlay*—People—Poverty—Poverty (Close Topics Overlay)

 Geographies Overlay—County—YOUR COUNTY

 (Close Geographies Overlay)

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Demo #2: Poverty Across Multiple Hispanic Ethnic Groups

What are the poverty rates in Montgomery County for **All People** for the following Hispanic Ethnic Communities? For the current poverty levels we will need to use **5-Year Estimates**. The most current available are 2006-2010.

- a) Mexican
- b) Guatemalan
- c) Honduran
- d) Nicaraguan
- e) Salvadoran
- f) Columbian

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Demo #2: Data By Multiple Hispanic Ethnic Groups

What are the poverty rates in Montgomery County for **All People** for the following Hispanic Ethnic Communities? For the current poverty levels we will need to use **5-Year Estimates**. The most current available are 2006-2010.

- a) Mexican
- b) Guatemalan
- c) Honduran
- d) Nicaraguan
- e) Salvadoran
- f) Columbian

7.9 percent

11.1 percent

13.6 percent

6.4 percent

13.7 percent

5.2 percent

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Exercise #2 Your Turn!

Your Turn!: Select three counties within your service area and determine which has the highest poverty rate for Blacks and African-Americans.

Overlay—County—YOUR COUNTIES (Close Geographies Overlay).

Topics Overlay—People—Poverty—Poverty
People—Race & Ethnicity—Black or African
American

(Close Topics Overlay)

Try **B17020B**. You may have to access 3- or 5-year estimates, depending on your community.

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Demo #3: Mapping Your Data

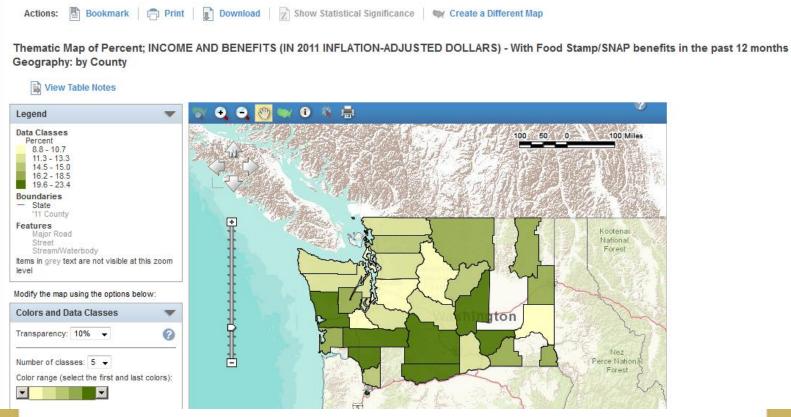
We are going to map ALL Washington State Counties—SNAP Participation. Source will be ACS 2009-2011 3-Year Estimates.

Why did we have to use a 3-year estimate?

Set transparency to 10% and change color scheme.

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Demo #3: Mapping Your Data (Cont'd)



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Exercise #3: Your Turn to Map!

Select a single county you will serve. Map Poverty-ALL PEOPLE, ALL CENSUS TRACTS.

Geographies Overlay—Census Tracts—YOUR COUNTY—ALL CENSUS TRACTS (Close Geographies Overlay)

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Exercise #4: Let's Do This Together

Using a Geographic Comparison Table, what **Places** in Maryland have the highest poverty rates?

STEPS: AFF > Topics > People > Poverty > Poverty > Add to Your Selections

STEPS: Product Type > Geographic Comparison Tables > Add to Your Selections

STEPS: Select—GCT1701 PERCENT OF PEOPLE BELOW POVERTY LEVEL IN THE PAST 12 MONTHS (FOR WHOM POVERTY STATUS IS DETERMINED) - United States -- Places by State; and for Puerto Rico

STEPS: Check out 1-Year and 3-Year Estimates, Scroll till you reach Maryland

Select Table: GCT-PL1 Race and Hispanic or Latino: 2010 State – Place > GEO: Maryland > Scroll and arrow down

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Building Your Community Profile











Your Community Profile

Before You Begin Any Search Ask:

- 1. What do I want to know? (for what segment of the population if applicable)
 - a) Example: Poverty, Women Head of Household
 - b) Example: Disability Status, (Age 65 or older, Veterans)
 - c) Example: Educational Attainment (All, Black Alone, Asian Alone)
- 2. What are my geographies (state, county, city, CDP, zip code, census tract)?
- 3. What year(s) do I want to search? (2000-2011)
- 4. What Census Programs can I get my data from? (2000 Census, 2010 Census or American Community Survey).

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Tips for Building Your Community Profile

- Be aware of your geography, dataset, year(s) and tool (and sub-tool, with American FactFinder) you used to access your data.
- If you are interested in a particular subset of a community (Hispanics, Sub-Saharan Africans, Koreans, etc.), you should select those communities first.
- If you are making comparisons between your community and another, be sure to look at margins of error to ascertain whether statistical difference is present.

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Tips for Building Your Community Profile (cont.)

- If you can't find the dataset you want for the race, ethnic or ancestry category you're searching try:
 - a 3- or 5- Year Estimate Instead of a 1-Year
 - a higher level of geography (county instead of place, for example)
 - a more general classification of that group, ie: Central American instead of Salvadoran, Sub-Saharan African instead of Nigerian.
- If you're not getting search results back, look at "Your Selections." Try removing one or two search criteria to see how that modifies your Search Results.

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Useful Tables

- DP03 Select Economic Statistics
- S1701 Poverty Status in the Past 12 Months
- S1702 Poverty Status in the Past 12 Months of Families
- B08122 Means of Transportation to Work by Poverty Status in the Past 12 Months
- B16009 Poverty Status in the Past 12 Months by Languages Spoken at Home for Population Age 5 and Older
- B17010 Poverty Status in the Past 12 Months of Families by Family Type by Presence of Related Children Under 18 Years of Age of Related Children

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Questions?





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Additional Support

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Next Steps

- 1. Visit the American FactFinder and begin building your community profile
- 2. Use the data to inform your work and improve your project
- 3. Log onto the VISTA Campus for additional resources
- 4. Share your experiences with using Census data on the VISTA forums

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Your Tips and





Resources

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THANK YOU for your participation!

If you have further questions or for more information, contact us:

VISTAWebinars@cns.gov

Join us on June 12th at 2:00PM for

The Power of Service: Mobilizing Volunteers

Visit the Ongoing Learning page on the VISTA Campus for a complete schedule of VISTA webshops

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